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# Pierfrancesco Agostoni

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**Personal information**

- Date of birth: 3 October 1975
- Place of birth: Trescore Balneario (BG), Italy
- Civil status: married with Katarzyna Monika Agostoni
- Children: 2 (Antonio Juventus and Summer Martina)

**Education**

23 July 1993: High-School ("Liceo Classico") Diploma, S. Carlo College, Milan, Italy (final mark: 54/60).

19 July 1999: Degree in Medicine and Surgery, University of Milan, Milan, Italy (final mark: 110/110 magna cum laude).

18 May 2000: Italian Board Certification in Medicine, University of Milan, Milan, Italy (final mark: 107/110).

29 October 2004: Italian Board Certification in Cardiology, University of Verona, Verona, Italy (final mark: 50/50 magna cum laude).

24 August 2005: Belgian Board Certification in Medicine, Orde van Geneesheren, Provinciale Raad van Antwerpen (n.19870).

30 March 2006: Belgian Board Certification in Cardiology, RIZIV number: 1-19870-22-730.

2 December 2008: Dutch Board Certification in Medicine, BIG-register n. 59910585101.

11 February 2009: Dutch Board Certification in Cardiology, relatienummer: 1917915.

3 December 2009: Philosophiae Doctor (PhD) at the University of Utrecht with the thesis: "Developments in the percutaneous treatment of obstructive coronary artery disease" (Promotor: Prof. P. Doevendans, Co-promotor: Dr. P. Stella).

3 May 2011: Philosophiae Doctor (PhD) at the University of Verona with the thesis: "Novel angiographic techniques for the diagnosis of coronary artery disease and for assessment of its percutaneous treatment" (Tutor: Prof. C. Vassanelli).

April 2014 – August 2015: Appointment as Associate Professor at the University Medical Center of Utrecht.

## Training

Internship (Internal Medicine Department), St. Raffaele Hospital, Milan, Italy directed by Prof. Claudio Rugarli (November 1996 - October 1998).

Internship (Cardiology Department), St. Raffaele Hospital, Milan, Italy, directed by Prof. Sergio Chierchia (November 1998 - July 1999), where I wrote my degree thesis: "Role of vascular inflammation in unstable angina".

Post-graduate training, Niguarda Cà Granda Hospital in Milan, Italy (August 1999 - January 2000).

3rd classified at the 134° Course for Medical Officers of the Italian Army, School of Health of the Italian Army in Rome, Italy (May - August 2000).

5 December 2002: Course of Basic Life Support and Defibrillation (BLS-D), Hospital of Verona, Verona Italy.

11-12 March 2004: Course of Advanced Cardiopulmonary Life Support (ACLS), St. Biagio Hospital, Bovolone (VR), Italy.

20 January 2010: Basiscursus stralingsbescherming deskundigheidsniveau 4A/M voor medische specialisten, with mark 8.4/10.

14 June 2010: Good Clinical Practice Exam (BROK course) with mark 89%.

November 2013: Course for Future Academic Leadership, held by Eva Wiltingh BV.

18 November 2013: Advanced Life Support (ALS) Course, in Bilthoven, the Netherlands.

18 October 2018: ICH Good Clinical Practice E6 (R2) Exam with a score of 100%.

2 July 2020: Vergunning voor het gebruik van röntgenstralen voor medische beeldvorming Nummer: EDR-0060605.

2 November 2020: ICH Good Clinical Practice E6 (R2) Exam with a score of 89%.

## Foreign languages

English: excellent knowledge of written and oral English language (August 1993: upper-intermediate level 3-week course at the Richmond School of English in Birmingham, England; October 1994: upper-intermediate level 2-week course at the Basil Peterson School of English in Edinburgh, Scotland; March 1995: upper-intermediate level 2-week course at the Anglo World School of English in Oxford, England; June 2003: IELTS 2-week course at the Mayfair School of English in London, England).

Dutch: excellent knowledge of written and oral Dutch language (July 2005: 3-week Summercursus (niveau 1); September 2005-January 2006: Nederlands Cursus (niveau 2), both at the Centrum voor Taal en Spraak of the University of Antwerp, Belgium; July 2007 and December 2008: 2 times intensive 1-week courses (level B1-B2) at the CERAN center in Spa, Belgium).

**Interests**

Medical statistics: Course of Statistics “Erasmus Summer Program” in Rotterdam, The Netherlands (12-30 August 2002): Principles of Research in Medicine and Epidemiology, Introduction to Data-analysis, Regression Analysis, Survival Analysis, How to write a Medical Paper; Course of statistics of the Italian Society of Cardiology in Rome, Italy (15-17 December 2002).

Computer: Computer course (Word, Excel) at the Green School of Verona, Italy (March – April 2004); good knowledge of MS Windows and MS Office (Word, Excel, Power Point) and dedicated statistical packages (SPSS, RevMan); good knowledge of the use of Internet.

**Hobbies**

Several travels: Italy, San Marino, Vatican City, Portugal, Spain, France, Monaco, England, Scotland, Northern Ireland, Netherlands, Belgium, Denmark, Switzerland, Austria, Liechtenstein, Germany, Greece, Slovenia, Croatia, Hungary, Czech Republic, Poland, Lithuania, Latvia, Estonia, Sweden, Belarus, Russia, Turkey, Saudi Arabia, United Arab Emirates, Qatar, India, Kazakhstan, China, Egypt, Chad, Tanzania, Mozambique, South Africa, Cape Verde, Mauritius, Seychelles, Peru, Bolivia, Brazil, Argentina, USA, Canada, Barbados, Antigua and Barbuda.

Sport: cross-fit, running, kite-surf, tennis.

## Working activities

February 2000 – October 2004: Resident in Cardiology, Department of Cardiology, University of Verona, Verona, Italy, directed by Prof. Piero Zardini. *Training activity*: wards: 13 months, coronary care unit: 6 months, outpatient clinic: 2 months, day-hospital: 1 month, holter monitoring: 300 exams, echocardiography: 200 exams, stress tests: 200 exams, catheterization laboratory: 500 coronary angiograms, 250 PCI as second operator; 100 internal on-calls during night and weekends. *Final residency thesis*: “Radial versus femoral approach for percutaneous coronary procedures: a meta-analysis of randomized trials”.

August 2000 – July 2001: Medical Officer (Lieutenant), assigned to the 1° Division (Transmissions) of the Italian Army at S. Barbara Barracks in Milan, Italy.

June – September 2004: Research Fellow, Department of Invasive Cardiology - ThoraxCenter - Erasmus Medical Center, Rotterdam, The Netherlands, directed by Prof. Patrick W. Serruys. *Scientific and research activity*: invasive diagnosis of vulnerable plaque (palpography, virtual histology), IVUS analysis of coronary atherosclerotic disease, percutaneous treatment of left main coronary artery disease.

November 2004 – March 2005: Training Fellow, Interventional Cardiology Unit - EMO Centro Cuore Columbus, Milan, Italy, directed by Dr. Antonio Colombo. *Scientific and research activity*: clinical outcome of drug-eluting stents, quantitative coronary angiography.

May 2005 – May 2007: Clinical and Research Fellow in interventional cardiology, Antwerp Cardiovascular Institute Middelheim, AZ Middelheim, Antwerp, Belgium, directed by Dr. Frank Van den Branden. Research grant for the fellowship from Philips Medical Systems (Best, The Netherlands). *Practical work in the catheterization laboratory*: traditional and rotational diagnostic coronary angiographies (femoral, brachial, radial and ulnar approach), PCI in every clinical scenario: balloon angioplasty, cutting balloon, stent (bare-metal, covered and drug-eluting, balloon-expandable and self-expandable, dedicated designs) implantation, drug-eluting balloon, laser, rotablator, intra-aortic balloon pump (IABP), intra-vascular ultrasound (IVUS), fractional flow reserve (FFR), “stent boost”, protection and aspiration devices, vascular closure devices (around 1500 procedures as first operator). Additional experience in percutaneous treatment of renal, iliac and subclavian artery stenoses. *Scientific and research activity*: rotational and 3 dimensional coronary angiography, StentBoost angiographic enhancement, intra-coronary thermography (including basic science experiments and training in animal models), percutaneous treatment of saphenous bypass graft disease.

June 2007 – November 2008: Interventional Cardiologist, Antwerp Cardiovascular Institute Middelheim, Ziekenhuis Netwerk Antwerpen, Antwerp, Belgium, directed by Dr. Frank Van den Branden. *Sub-investigator in national and international trials*: RRISC, COSTAR II, GENESIS, PRECISE, E-SELECT, ZOMAXX Europe, DIVERGE, SIDEGUARD II, OPEN I, PROLIMUS, CUSTOM III, HEALING IIb, MULTI-BENE, SPIRIT II, INNOVA, CARE II, RES-ELUTION, CONFIRM I, EXCELLA II, WHISPER, PRISON III, IBIS-2, PROSPECT, TOP-SPIN, PIMS, SYNTAX, CURRENT.

January 2009 – July 2015: Interventional Cardiologist, Department of Cardiology, Heart and Lung Institute, University Medical Center Utrecht, Utrecht, The Netherlands, directed by Prof. Pieter Doevendans. Additional expertise in treatment of chronic total occlusions (CTO), refractory angina with coronary sinus REDUCER, Optical Coherence Tomography (OCT), Transcatheter Aortic Valve Interventions (TAVI), Mitraclip implantation, Intra-Cardiac Echocardiography (ICE), electro anatomical mapping of the left ventricle for percutaneous stem cell therapy (NOGA), percutaneous closure of post-infarction myocardial septal rupture. Approximate case load per year: 400 PCI (80 CTO, 20 Rotablator, 30 OCT, 30 IVUS), 80 TAVI, 25 Mitraclip, 20 coronary sinus Reducer. *Investigator in national and international trials*: DEBIUT, DEB-AMI, DEB-ISR, PRECISE, TRYTON BENELUX Registry, SVELTE, REMEDEE, SYNERGY, PIONEER, VALENTINES, SOLARFLEX registry, TRYTON IDE, COSIRA, SPEED registry, DEMONSTRATE, DIRECT-2, BRAVO 2/3, DEFLECT 2, ELECT, GLAGOV, Pre-NC, RECHARGE, DEFLECT 3, ReCre8, InPACT Falcon Registry.

**Working activities**

August 2015 – September 2018: Interventional Cardiologist, Department of Cardiology, St. Antonius Hospital, Nieuwegein, The Netherlands. Further expertise mainly in percutaneous coronary interventions with large focus on CTO (80-90 CTO per year treated with the hybrid approach). Appointed as medical manager of the catheterization laboratory. *Investigator in national and international trials*: TIDES-ACS, DIRECT III, REDUCER-1, MORPHEUS, OPTIMIZE, PREVAIL, ONYX ONE, BIOSOLVE IV.

October 2018 – today: Interventional Cardiologist, Hartcentrum, Ziekenhuis Netwerk Antwerpen (ZNA) Middelheim, Antwerp, Belgium. *Investigator in national and international trials*: BIOSOLVE IV, REDUCER-1, COBRA, COLOR, BIOVASC.

**Consultancies**

Consultant (2004-2005) for Mediolanum Cardio Research (MCR), directed by Dr. Giuseppe M. Sangiorgi (data management, data analysis, protocol revision, quantitative coronary angiography analysis).

Consultant (2006) for Bristol Meyers Squibbs – Medical Imaging (development of the pre-clinical and clinical program of the Thermocore intracoronary thermography catheter).

Consultant (2007-today) for Genae Associates NV (independent medical review [Data Safety and Monitoring Board and Clinical Events Committee member] for controlled clinical trials in interventional cardiology, intravascular ultrasound analysis).

Chairman of the Medical Advisory Board for Genae Associates NV (2008-2013).

Proctor (2016-today) for Neovasc Inc, for coronary sinus Reducer procedures.

Proctor (2016-today) for Meril Lifescience, for Microport and for Boston Scientific for complex PCI and CTO procedures.

## Publications

1. Biondi-Zoccai G, **Agostoni P**. Therapeutic efficiency of tirofiban in acute coronary syndromes. *Lancet* 2000;355:931 (letter to the editor).
2. **Agostoni P**, Biondi-Zoccai G. Blood pressure and death from coronary heart disease. *New Engl J Med* 2000;342:1675 (letter to the editor).
3. **Agostoni P**, Biondi-Zoccai G. Prognostic value of C-reactive protein in unstable angina. *Circulation* 2000;102:e177 (letter to the editor).
4. Biondi-Zoccai G, Abbate A, **Agostoni P**. Antioxidant vitamins and coronary disease. *New Engl J Med* 2002;346:1092-1093 (letter to the editor).
5. Biondi-Zoccai G, Abbate A, **Agostoni P**, Parisi Q, Turri M, Anselmi M, Vassanelli C, Zardini P, Biasucci L. Stenting versus surgical bypass grafting for coronary artery disease: systematic overview and meta-analysis of randomized trials. *Ital Heart J* 2003;4:271-280.
6. Biondi-Zoccai G, Abbate A, Parisi Q, **Agostoni P**, Burzotta F, Sandroni C, Zardini P, Biasucci L. Is vasopressin superior to adrenaline or placebo in the management of cardiac arrest? A meta-analysis. *Resuscitation* 2003;59:221-224.
7. Biondi-Zoccai G, **Agostoni P**, Abbate A.. Parallel hierarchy of clinical research in cardiovascular medicine. *Ital Heart J* 2003;4:819-820 (letter to the editor).
8. **Agostoni P**, Gasparini G, Destro G. Acute myocardial infarction probably caused by paradoxical embolus in a pregnant woman. *Heart* 2004;90:e12 (case report).
9. Biondi-Zoccai G, **Agostoni P**, Testa L, Abbate A, Parisi Q, Burzotta F, Trani C, Mongiardo R, Vassanelli C, Biasucci L. Increased mortality after coronary stenting in patients treated with clopidogrel without loading dose: evidence from a meta-analysis. *Minerva Cardioangiol* 2004;52:195-208.
10. **Agostoni P**, Biondi-Zoccai G, De Benedictis M, Rigattieri S, Turri M, Anselmi M, Vassanelli C, Zardini P, Louvard Y, Hamon M. Radial versus femoral approach for percutaneous coronary diagnostic and interventional procedures: systematic overview and meta-analysis of randomized trials. *J Am Coll Cardiol* 2004;44:349-356.
11. Biondi-Zoccai G, Testa L, **Agostoni P**. A practical algorithm for systematic reviews in cardiovascular medicine. *Ital Heart J* 2004;5:486-487 (letter to the editor).
12. **Agostoni P**, Schaar J, Serruys P. The challenge of vulnerable plaque detection in the cardiac catheterization laboratory. *Kardiovaskulare Medizin* 2004;7:349-358. Available in <http://www.cadiovasmed.ch>
13. **Agostoni P**, Biondi-Zoccai G, Abbate A. Coronary stenting in small vessels. *J Am Coll Cardiol* 2005; 45:324-325 (letter to the editor).
14. Abbate A, Biondi-Zoccai G, **Agostoni P**, Biasucci L, Baldi A, Crea F. Hibernating myocardium, apoptosis, and a simple mathematical task. *J Am Coll Cardiol* 2005;45:466 (letter to the editor).
15. **Agostoni P**, Valgimigli M, van Mieghem C, Rodriguez Granillo G, Aoki J, Ong A, Tsuchida K, McFadden E, Ligthart J, Smits P, de Jaegere P, Sianos G, van der Giessen W, de Feyter P, Serruys P. Comparison of early outcome of percutaneous coronary intervention for unprotected left main coronary artery disease in the drug-eluting stent era with–vs.–without intravascular ultrasonic guidance. *Am J Cardiol* 2005;95:644-647.
16. Biondi-Zoccai G, **Agostoni P**, Abbate A, Testa L, Burzotta F. A simple hint to improve Robinson and Dickersin's highly sensitive PubMed search strategy for controlled clinical trials. *Int J Epidemiol* 2005;34:224-225.
17. Biondi-Zoccai G, Abbate A, **Agostoni P**, Testa L, Burzotta F, Lotrionte M, Trani C, Biasucci L. Long-term benefits of an early invasive management in acute coronary syndromes depend on intra-coronary stenting and aggressive anti-platelet treatment: a meta-regression. *Am Heart J* 2005;149:504-511.

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18. Biondi-Zoccai G, **Agostoni P**, Abbate A, Testa L, Burzotta F, Biasucci L, Vetrovec G, Colombo A. Adjusted indirect comparison of intra-coronary drug-eluting stents: evidence from a meta-analysis of randomized bare-metal-stent-controlled trials. *Int J Cardiol* 2005;100:119-123.
19. **Agostoni P**, Biondi-Zoccai G, Gasparini G, Anselmi M, Morando G, Turri M, Abbate A, McFadden E, Vassanelli C, Zardini P, Colombo A, Serruys P. Is bare-metal stenting superior to balloon angioplasty for small vessel coronary artery disease? Evidence from a meta-analysis of randomized trials. *Eur Heart J* 2005;26:881-889.
20. Biondi-Zoccai G, Sangiorgi G, Chieffo A, Vittori G, Falchetti E, Margheri M, Barbagallo R, Tamburino C, Remigi E, Briguori C, Iakovou I, **Agostoni P**, Tsagalou E, Melzi G, Michev I, Airoidi F, Montorfano M, Carlino M, Colombo A, on behalf of the RECIPE (Real-world Eluting-stent Comparative Italian retrosPective Evaluation) Study Investigators. Validation of predictors of intraprocedural stent thrombosis in the drug-eluting stent era. *Am J Cardiol* 2005;95:1466-1468.
21. Biondi-Zoccai G, **Agostoni P**, Abbate A, Airoidi F, Colombo A. Critical role of bare-metal stent controls in trials of drug-eluting stents. *Eur Heart J* 2005;26:1686-1687 (letter to the editor).
22. Biondi-Zoccai G, Chieffo A, **Agostoni P**, Colombo A. Applying intravascular ultrasound to optimize the placement of coronary drug-eluting stents. *Minerva Cardioangiol* 2005;53:165-176.
23. **Agostoni P**, Biondi-Zoccai G, Gasparini G, Anselmi M, Morando G, Turri M, Abbate A, McFadden E, Vassanelli C, Zardini P, Colombo A, Serruys P. Coronary stenting in small vessels: reply to Moreno et al. *Eur Heart J* 2005;26:1562-1563 (reply to a letter to the editor).
24. Valgimigli M, **Agostoni P**, Biondi-Zoccai GG. Letter to the Editor on Zimarino et al. *Eur Heart J* 2005;26:1809-1810 (letter to the editor).
25. Cominacini L, Anselmi M, Garbin U, Fratta Pasini A, Stranieri C, Fusaro M, Nava C, **Agostoni P**, Keta D, Zardini P, Sawamura T, Lo Cascio V. Enhanced plasma levels of oxidized-LDL increase circulating Nuclear Factor-kB activation in patients with unstable angina. *J Am Coll Cardiol* 2005;46:799-806.
26. Abbate A, **Agostoni P**, Biondi-Zoccai GG. ST-segment elevation myocardial infarction: reperfusion at any cost? *Eur Heart J* 2005;26:1813-1815 (editorial).
27. Cosgrave J, **Agostoni P**, Biondi-Zoccai GG, Ge I, Iakovou I, Chieffo A, Biondi-Zoccai GG, Sangiorgi GM, Montorfano M, Michev I, Airoidi F, Carlino M, Corvaja N, Bonizzoni E, Colombo A. Clinical outcome following aleatory implantation of paclitaxel-eluting or sirolimus-eluting stents in complex coronary lesions. *Am J Cardiol* 2005;96:1663-1668.
28. Valgimigli M, Rodriguez-Granillo GA, **Agostoni P**, Serruys P. Acute coronary syndromes: from treatment to prevention. The enduring challenge of vulnerable plaque detection in the cardiac catheterization laboratory. *Dialogues in Cardiovascular Medicine* 2005;10:141-150.
29. **Agostoni P**. Letter to the Editor on "Late loss in lumen diameter and binary restenosis for drug-eluting stent comparison" by Mauri et al. *Circulation* 2005;112:e358 (letter to the editor).
30. Vermeersch P, **Agostoni P**. Should degenerated saphenous vein graft routinely be sealed with drug-eluting stents? *J Intervent Cardiol* 2005;18:467-473.
31. Biondi-Zoccai GG, Abbate A, **Agostoni P**, Valgimigli M, Sangiorgi GM. Drawbacks of non-randomized trials in acute coronary syndromes. *Am J Cardiol* 2006;97:151 (reader's comment).



## Publications

32. Biondi-Zoccai G, **Agostoni P**, Sangiorgi GM, Iakovou I, Antoniucci D, Grube E, Tamburino C, Di Mario C, Reimers B, Michev I, Goktekin O, Airoldi F, Chieffo A, Cosgrave J, Tassanawiwat W, Colombo A, on behalf of the TRUE (Taxus™ in Real-Life Usage Evaluation) Study Investigators. Comparison of ticlopidine vs. clopidogrel in addition to aspirin after paclitaxel-eluting stent implantation: Insights from the TRUE (Taxus™ in Real-life Usage Evaluation) Study. *Int J Cardiol* 2006;108:406-407.
33. Rodriguez-Granillo GA, **Agostoni P**, Garcia-García HM, de Feyter P, Serruys PW. In-vivo, cardiac-cycle related intimal displacement of coronary plaques assessed by 3-D ECG-gated intravascular ultrasound: exploring its correlate with tissue deformability identified by palpography. *Int J Cardiovasc Imaging* 2006;22:147-152.
34. Ge L, Iakovou I, Cosgrave J, **Agostoni P**, Airoldi F, Sangiorgi GM, Michev I, Chieffo A, Montorfano M, Carlino M, Corvaja N, Colombo A. Treatment bifurcation lesions with two stents: crush versus T Stenting - one year angiographic and clinical follow-up. *Heart* 2006;92:371-376.
35. Anselmi M, Garbin U, **Agostoni P**, Fusaro M, Fratta Pasini A, Nava C, Keta D, Turri M, Zardini P, Vassanelli C, Lo Cascio V, Cominacini L. Plasma levels of oxidized low-density lipoproteins are higher in patients with unstable angina and correlated with angiographic coronary complex plaques. *Atherosclerosis* 2006; 185:114-120.
36. **Agostoni P**, Valgimigli M, Biondi-Zoccai G, Abbate A, Garcia Garcia H, Anselmi M, Turri M, McFadden E, Vassanelli C, Serruys P, Colombo A. Clinical effectiveness of bare-metal stenting compared to balloon angioplasty in total coronary occlusions: insights from a systematic overview of randomized trials, in light of the drug-eluting stent era. *Am Heart J* 2006;151:682-689.
- 37 **Agostoni P**, Valgimigli M, Abbate A, Cosgrave J, Pilati M, Biondi-Zoccai GG. Is late luminal loss an accurate predictor of the clinical effectiveness of drug-eluting stents in the coronary arteries? *Am J Cardiol* 2006;97:603-605.
38. Biondi-Zoccai GG, **Agostoni P**, Sangiorgi GM, Airoldi F, Cosgrave J, Chieffo A, Barbagallo R, Tamburino C, Vittori G, Falchetti E, Margheri M, Briguori C, Remigi E, Iakovou I, Colombo A, on behalf of the RECIPE (Real-world Eluting-stent Comparative Italian retrosPective Evaluation) Study Investigators. Incidence, predictors and outcomes of coronary dissections left untreated after drug-eluting stent implantation. *Eur Heart J* 2006;27:540-546.
39. Biondi-Zoccai GG, **Agostoni P**, Sangiorgi GM, Colombo A. The drug-eluting stent dilemma: comparing the effectiveness of Cypher versus Taxus. *J Cardiovasc Med* 2006;7:2-4 (editorial).
40. Biondi-Zoccai GG, Lotrionte M, Abbate A, Testa L, Remigi E, Burzotta F, Valgimigli M, Romagnoli E, Crea F, **Agostoni P**. Compliance with QUOROM and quality of reporting of overlapping meta-analyses on the role of acetylcysteine in the prevention of contrast associated nephropathy: case study. *BMJ* 2006;332:202-209.
41. Biondi-Zoccai GG, Abbate A, Valgimigli M, Testa L, **Agostoni P**. From chaotic to coordinated clinical research: the case of acetylcysteine. *Arch Intern Med* 2006;166:1668;author reply:1669 (letter to the editor).
42. Testa L, Trotta G, Abbate A, **Agostoni P**, Biondi-Zoccai GG. Low-Dose Aspirin for Stroke Prevention. *Stroke* 2006; 37:1356 (letter to the editor).
43. **Agostoni P**, Anselmi M, Gasparini GL, Morando G, Tosi P, De Benedictis ML, Quintarelli S, Molinari G, Zardini P, Turri M. Safety of percutaneous left heart catheterization directly performed by cardiology fellows: a cohort analysis. *J Invasive Cardiol* 2006; 18:248-252.
44. **Agostoni P**, Borenstein N, Verheye S, Van Langenhove G. Macroscopic assessment of porcine coronary vessel wall trauma after percutaneous cardiac catheterization and intervention. *Int J Cardiol* 2006;113:E87-E88 (case report).
45. Cornelis K, **Agostoni P**, Van den Branden F, Vermeersch P. Simultaneous double stent implantation through 6 French guiding catheter using a thin strut cobalt chromium stent. *EuroIntervention* 2006;2(issue 6):website exclusive content (case report).

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45. Cornelis K, **Agostoni P**, Van den Branden F, Vermeersch P. Simultaneous double stent implantation through 6 French guiding catheter using a thin strut cobalt chromium stent. *EuroIntervention* 2006;2(issue 6):website exclusive content (case report).
46. Biondi-Zoccai GG, Lotrionte M, **Agostoni P**, Abbate A, Fusaro M, Burzotta F, Testa L, Sheiban I, Sangiorgi G. A systematic review and meta-analysis on the hazards of discontinuing or not adhering to aspirin among 50279 patients at risk for coronary artery disease. *Eur Heart J* 2006;27:2667-2674.
47. Hamon M, Biondi-Zoccai GG, Malagutti P, **Agostoni P**, Morello R, Valgimigli M, Hamon M. Diagnostic performance of multislice spiral computed tomography of coronary arteries as compared with conventional invasive coronary angiography: a meta-analysis. *J Am Coll Cardiol* 2006;48:1896-1910.
48. Vermeersch P, **Agostoni P**, Verheye S, Van den Heuvel P, Convens C, Bruining N, Van den Branden F, Van Langenhove G. Randomized double-blind comparison of sirolimus-eluting stent versus bare metal stent implantation in diseased saphenous vein grafts: 6-month angiographic, intravascular ultrasound and clinical follow up of the RRISC (Reduction of Restenosis In Saphenous vein grafts with Cypher sirolimus-eluting stent) trial. *J Am Coll Cardiol* 2006;48:2423-2431.
49. Biondi-Zoccai GG, **Agostoni P**, Sangiorgi GM, Dalla Paola L, Armano F, Nicolini S, Alek J, Fusaro M. Mastering the antegrade femoral artery access in patients with symptomatic lower limb ischemia: learning curve, complications, and technical tips and tricks. *Cathet Cardiovasc Intervent* 2006;68:835-842.
50. Testa L, Trotta G, Abbate A, **Agostoni P**, Biondi-Zoccai GG. The hurdles of warfarin and the hurdles of clinical practice. *Stroke* 2006;37:2867 (letter to the editor).
51. **Agostoni P**, Vermeersch P, Vydts T, Debrauwere J, Van den Heuvel P, Convens C, Van den Branden F, Verheye S, Van Langenhove G. Acute and mid-term local vascular effects of compliant balloon inflation (GuardWire system) on saphenous vein bypass grafts: an angiographic analysis. *Int J Cardiol* 2007;120:227-231.
52. Rodriguez-Granillo GA, **Agostoni P**, Garcia-Garcia HM, Biondi-Zoccai GG, Mc Fadden E, Amoroso G, de Jaegere P, Bruining N, de Feyter P, Serruys PW. Meta-analysis of the studies assessing temporal changes in coronary plaque volume using intra-vascular ultrasound. *Am J Cardiol* 2007;99:5-10.
53. Valgimigli M, Biondi-Zoccai GG, **Agostoni P**. Clinical implications of the PROTECT-TIMI-30 trial. *J Am Coll Cardiol* 2007;49:729-730 (letter to the editor).
54. Valgimigli M, **Agostoni P**, Serruys P. Acute coronary syndromes: emphasis shift from treatment to prevention. The enduring challenge of vulnerable plaque detection in the cardiac catheterization laboratory. *J Cardiovasc Med* 2007;8:221-229.
55. Biondi-Zoccai GG, Sangiorgi GM, Antonucci D, Grube E, Di Mario C, Reimers B, Tamburino C, **Agostoni P**, Cosgrave J, Colombo A. Testing prospectively the effectiveness and safety of paclitaxel-eluting stents in over 1000 very high-risk patients Design, baseline characteristics, procedural data and in-hospital outcomes of the multicenter Taxus in Real-life Usage Evaluation (TRUE) Study. *Int J Cardiol* 2007;117:349-354.
56. **Agostoni P**, Kedhi E, Verheye S, Vermeersch P, Van Langenhove G. Dissimilar relevance given to diseases by medical literature, and the potential to create biases in the clinical decision-making process: the case of late stent thrombosis. *Int J Cardiol* 2007;114:E38-E39 (case report).
57. Biondi-Zoccai GG, Lotrionte M, Abbate A, Valgimigli M, Testa L, Burzotta F, Crea F, **Agostoni P**. Direct and indirect comparison meta-analysis demonstrates the superiority of sirolimus- versus paclitaxel-eluting stents across 5854 patients. *Int J Cardiol* 2007;114:104-105.
58. **Agostoni P**, Cosgrave J, Biondi-Zoccai GG, Sangiorgi GM, Ge L, Melzi G, Corbett S, Airoldi F, Montorfano M, Chieffo A, Michev I, Carlino M, Colombo A. Angiographic analysis of pattern of late luminal loss in sirolimus and paclitaxel eluting stents. *Am J Cardiol* 2007;99:593-598.

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301. Ribeiro MH, Dallan LAP, Boukhris M, Campos CA, Bezerra HG, Quesada FH, Bezerra CG, **Agostoni P**, Azzalini L, Galassi AR. Excimer laser atherectomy in an uncrossable long chronic total occlusion through the subintimal space. *Acta Cardiol* 2021; 76:914-915 (case report).
302. **Agostoni P**, Scott B, Budassi S, Verheye S, Convens C, Vermeersch P, Zivelonghi C. A prospective evaluation of a redefined version of the "minimalistic hybrid approach" algorithm for percutaneous coronary chronic total occlusion revascularization. *Catheter Cardiovasc Interv* 2021;98:617-625.
303. Wilgenhof A, Zivelonghi C, Budassi S, **Agostoni P**, Scott B. Chronic total occlusion techniques in non-chronic total occlusion cases, the wealth of a large toolbox. *Acta Cardiol* 2021; 76:576-580.
304. Rozemeijer R, van Bezouwen WP, van Hemert ND, Damen JA, Koudstaal S, Stein M, Leenders GE, Timmers L, Kraaijeveld AO, Roes K, **Agostoni P**, Doevendans PA, Stella PR, Voskuil M. Direct comparison of predictive performance of PRECISE-DAPT versus PARIS versus CREDO-Kyoto: a subanalysis of the ReCre8 trial. *Neth Heart J* 2021;29:201-214.
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307. Silvis MJM, Dekker M, Zivelonghi C, **Agostoni P**, Stella PR, Doevendans PA, de Kleijn DPV, van Kuijk JP, Leenders GE, Timmers L. The Coronary Sinus Reducer; 5-year Dutch experience. *Neth Heart J* 2021;29:215-223.
308. Zivelonghi C, Konigstein M, Azzano A, **Agostoni P**, Topilski Y, Banai S, Verheye S. Coronary sinus Reducer implantation results in improved oxygen kinetics at cardiopulmonary exercise test in patients with refractory angina. *EuroIntervention* 2021;16:e1511-e1517.
309. Vescovo GM, Zivelonghi C, Bellamoli M, Vermeersch P, Verheye S, **Agostoni P**. Coronary Sinus Reducer for the Treatment of Chronic Refractory Angina: Will This Challenge the Treatment of Coronary Chronic Total Occlusions? *Curr Cardiol Rep* 2021;23:31.
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311. De Luca G, Cercek M, Okkels Jensen L, Bushljetikj O, Calmac L, Johnson T, Gracida Blancas M, Ganyukov V, Wojakowski W, von Birgelen C, IJsselmuiden A, Tuccillo B, Versaci F, Ten Berg J, Laine M, Berkout T, Casella G, Kala P, López Ledesma B, Becerra V, Padalino R, Santucci A, Carrillo X, Scoccia A, Amoroso G, Lux A, Kovarnik T, Davlouros P, Gabrielli G, Flores Rios X, Bakraceski N, Levesque S, Guiducci V, Kidawa M, Marinucci L, Zilio F, Galasso G, Fabris E, Menichelli M, Manzo S, Caiazza G, Moreu J, Sanchis Forés J, Donazzan L, Vignali L, Teles R, **Agostoni P**, Bosa Ojeda F, Lehtola H, Camacho-Freiere S, Kraaijeveld A, Antti Y, Visconti G, Lozano Martínez-Luengas I, Scheller B, Alexopoulos D, Moreno R, Kedhi E, Uccello G, Faurie B, Gutierrez Barrios A, Scotto Di Uccio F, Wilbert B, Cortese G, Dirksen MT, Parodi G, Verdoia M. Impact of renin-angiotensin system inhibitors on mortality during the COVID Pandemic among STEMI patients undergoing mechanical reperfusion: Insight from an international STEMI registry. *Biomed Pharmacother* 2021;138:111469.
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316. De Luca G, Debel N, Cercek M, Jensen LO, Vavlukis M, Calmac L, Johnson T, Ferrer GR, Ganyukov V, Wojakowski W, Kinnaird T, von Birgelen C, Cottin Y, IJsselmuide A, Tuccillo B, Versaci F, Royaards KJ, Berg JT, Laine M, Dirksen M, Siviglia M, Casella G, Kala P, Díez Gil JL, Banning A, Becerra V, De Simone C, Santucci A, Carrillo X, Scoccia A, Amoroso G, Van't Hof AW, Kovarnik T, Tsigkas G, Mehilli J, Gabrielli G, Rios XF, Bakraceski N, Levesque S, Cirrincione G, Guiducci V, Kidawa M, Spedicato L, Marinucci L, Ludman P, Zilio F, Galasso G, Fabris E, Menichelli M, Garcia-Touchard A, Manzo S, Caiazzo G, Moreu J, Forés JS, Donazzan L, Vignali L, Teles R, Benit E, **Agostoni P**, Ojeda FB, Lehtola H, Camacho-Freiere S, Kraaijeveld A, Antti Y, Boccalatte M, Deharo P, Martínez-Luengas IL, Scheller B, Varytimiadi E, Moreno R, Uccello G, Faurie B, Gutierrez Barrios A, Milewski M, Bruwiere E, Smits P, Wilbert B, Di Uccio FS, Parodi G, Kedhi E, Verdoia M. Impact of SARS-CoV-2 positivity on clinical outcome among STEMI patients undergoing mechanical reperfusion: Insights from the ISACS STEMI COVID 19 registry. *Atherosclerosis* 2021;332:48-54.
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326. Vescovo GM, Somov P, Zivelonghi C, Bezzeccheri A, Scott B, Wilgenhof A, Willemen Y, Convens C, Verheye S, Vermeersch P, **Agostoni P**. Feasibility, safety and predictors of a successful "blind wiring" antegrade approach in the percutaneous treatment of chronic coronary total occlusions. *Minerva Cardiol Angiol* 2022; in press.
327. Sanz-Sánchez J, Mashayekhi K, **Agostoni P**, Egred M, Avran A, Kalyanasundaram A, Garbo R, Colombo A, Regazzoli D, Reimers B, Brilakis ES, Gasparini GL. Device entrapment during percutaneous coronary intervention. *Catheter Cardiovasc Interv* 2022; in press.
328. Vescovo GM, Chiabrando JG, Zivelonghi C, Romeo FJ, Lombardi M, Del Buono MG, Galli M, Biondi-Zoccai G, Wilgenhof A, Willemen Y, Scott B, Convens C, Verheye S, Vermeersch P, **Agostoni P**. Comparison of Different Stenting Techniques in Left Main Bifurcation Disease: Evidence From a Network Meta-Analysis. *J Invasive Cardiol* 2022;34:E334-E342.



## Book chapters

Biondi-Zoccai GGL, Lotrionte M, **Agostoni P**, Abbate A, Fusaro M, Sangiorgi G. Aspirin withdrawal in patients with or at risk for coronary artery disease: a systematic review and meta-analysis. In: Millwood CL, editor. Aspirin in health and disease. Nova Publishers, New York: 2007

Biondi-Zoccai GGL, Lotrionte M, **Agostoni P**, Abbate A, Fusaro M, Sangiorgi G. Aspirin withdrawal in patients with or at risk for coronary artery disease: a systematic review and meta-analysis. In: Hogan CP, editor. Cardiovascular health and disease research trends. Nova Publishers, New York: 2007

Vermeersch P, **Agostoni P**. Percutaneous coronary intervention for the treatment of saphenous vein grafts. In: Haase J, Schäfers H-J, Sievert H, Waksman R, editors. Cardiovascular Interventions in Clinical Practice. Wiley-Blackwell Publishing, United Kingdom: 2010.

**Agostoni P**, Rigattieri S, Biondi-Zoccai G, Hamon M. Radial versus femoral approach for coronary interventions. In: Hamon M, McFadden E, editors. Trans-radial approach for cardiovascular interventions. 2nd edition. Europa Stethoscope Media, France: 2010.

**Agostoni P**, Belkacemi A, Voskuil M, Stella PR. Drug-eluting balloons and bifurcations, a new future for treatment? In: Waksman R, editor. Bifurcation Stenting. 1st edition. Blackwell Publishing, United Kingdom: 2012.

Maluenda G, **Agostoni P**, Stella PR, Vermeersch P, Ben-Dor I, Satler LF, Waksman R, Pichard AD. Saphenous vein graft disease. In: Eeckhout E, Serruys P, Wijns W, Vahanian A, Van Sambeek M De Palma R, editors. Percutaneous interventional cardiovascular medicine: the PCR-EAPCI textbook. PCR Publishing, France: 2012.

Belkacemi A, **Agostoni P**, Voskuil M, Onsea K, Doevendans P, Stella P. Is There a Role for Drug-Eluting Balloons in Treatment of Acute Coronary Syndromes? In: Kipshidze N, Fareed J, Rosen RJ, Dangas G, Serruys P, editors. Urgent Interventional Therapies. 1st Edition. John Wiley & Sons, Ltd. 2015.

Secco GG, **Agostoni P**. Coronary Interventions: 5F Versus 6F to 7F. In: Bertrand OF, Rao SV, editors. Best practice in transradial angiography and intervention. 1<sup>st</sup> Edition. Lippincott Williams & Wilkins, 2015.

Daggubati R, Le D, **Agostoni P**. Special Technique and Case Illustrations of CTO Intervention via Transradial Approach. In: Zhou, Y., Kiemeneij, F., Saito, S., Liu, W, editors. Transradial Approach for Percutaneous Interventions. Springer Netherlands 2017.

Zivelonghi C, **Agostoni P**. Drug-coated balloons in endovascular treatment for coronary artery disease. In Alekryan BG, editor. Endovascular surgery textbook. Litterra Publishing House Moscow, 2017.

Zivelonghi C, **Agostoni P**, Nijhoff F. Local drug delivery to prevent restenosis of the coronary and peripheral arteries. In Cortese B, editor. Drug-coated balloons: applications in interventional cardiology. Springer Nature Switzerland AG, 2019

Nijenhuis VJ, Brouwer J, **Agostoni P**, ten Berg JM. Abbott Structural Heart Program for Transcatheter Aortic Valve Implantation. In Giordano A, Biondi-Zoccai G, Frati G, editors. Transcatheter Aortic Valve Implantation: Clinical, Interventional and Surgical Perspectives. Springer Nature Switzerland AG, 2019.

Zivelonghi C, Budassi S, Nijenhuis VJ, Gheorghe L, Van der Heyden J, **Agostoni P**. Cardiac physical remodeling and percutaneous solutions for the treatment of advanced heart failure. In Nussinovitch U, editor. Emerging technologies for heart diseases – Vol. 1: Treatments for heart failure and valvular disorders. Elsevier, Academic Press 2020.

**Prices and  
Acknowledgments**

GISE 2005 Best Scientific Contribution Prize Winner with the abstract “Rotational vs. standard quantitative coronary angiography: a paired comparison validation study”.

GISE 2006 Best Scientific Contribution Prize Winner with the abstract “Sirolimus-eluting stents effectively inhibit neointimal proliferation as compared to bare metal stents in diseased saphenous vein grafts: 6-month intravascular ultrasound results of a randomized trial”.

GISE 2007 Best Scientific Contribution Prize Winner with the abstract “Increased late mortality after sirolimus-eluting stents versus bare metal stents in diseased saphenous vein grafts: results from the randomized DELAYED RRISC trial”.

“Thomas J. Linnemeier Spirit of Interventional Cardiology” Young Investigator Award Finalist (TCT 2007)

CTO case competition winner with the case “Back and Forth” (EuroCTO 2020).

**Scientific activities** Several Abstracts in: American Heart Association (AHA), American College of Cardiology (ACC), European Society of Cardiology (ESC), Trans-catheter Cardiovascular Therapeutics (TCT), European Paris Course of Revascularization (EuroPCR), Society for Cardiac Angiography and Interventions (SCAI), Italian Society of Cardiology (SIC), Belgian Society of Cardiology (BSC), Netherlands society of Cardiology (NVVC), Italian Society of Interventional Cardiology (GISE).

Co-founder (with Dr. Giuseppe Biondi-Zoccai) of the “Meta-analysis and Evidence-based medicine Training in Cardiology” (METCARDIO), [www.metcardio.org](http://www.metcardio.org).

Academic Editor of PloS ONE.

Member of the International Editorial Board of “EuroIntervention”.

Member of the Editorial Board of the “World Journal of Cardiology”.

Member of the Academic International Board of “TheRadialist.org”.

Member of the Editorial Advisory Panel of “Treatment Strategies – Interventional Cardiology”.

Member of the Editorial Advisory Panel of “European Medical Journal - Interventional Cardiology”.

Abstract Reviewer for TCT from 2014 and for ESC from 2018.

Reviewer for “Biological Psychiatry”, “Clinica Chimica Acta”, “Journal of Diabetes and Its Complications”, “Vascular Health and Risk Management”, “Blood Coagulation & Fibrinolysis”, “International Journal of Cardiovascular Imaging”, “Journal of Interventional Cardiology”, “Circulation Cardiovascular Interventions”, “EuroIntervention”, “JACC Cardiac Imaging”, “JACC: Cardiovascular Interventions”, “Catheterization and Cardiovascular Interventions”, “Journal of Cardiovascular Medicine”, “Cardiology”, “Clinical Cardiology”, “Texas Heart Institute Journal”, “Nature Clinical Practice Cardiovascular Medicine”, “International Journal of Cardiology”, “American Journal of Cardiology”, “American Heart Journal”, “Heart”, “Nature reviews cardiology”, “European Heart Journal”, “Journal of the American College of Cardiology”, “Circulation”, “European Journal of Clinical Investigation”, “European Journal of Internal Medicine”, “QJM”, “British Medical Journal”, “Annals of Internal Medicine” and “Lancet”.

Course director and speaker for the 2-day “Cursus Transradialis Coronair Angiografie” organized by the “CardioVasculair Onderwijs Instituut (CVOI)” (1 day theory, 1 day practice) for Dutch cardiologists and cardiologists in training.

Teacher for the Course “Theoretical and practical training in bio-statistics” (Milan, Italy, 13 May 2005), organized by Cordis – Academy, in association with Mediolanum Cardio Research, for Italian interventional cardiologists.

Teacher for the Course “Cardio I Training” (Brussels, Belgium 21 February 2007 & 11 July 2007), organized by Cordis, for international Product Specialists of Johnson & Johnson – Cordis.

Teacher in Medtronic “School of Science” for the courses: “Statistics for interventional cardiologists and cardiovascular surgeons”, “Medical writing and critical reading for interventional cardiologists and cardiovascular surgeons”, and “Advanced statistics for interventional cardiologists and cardiovascular surgeons”, held in several European cities in 2009-2014 for European cardiologists and surgeons.

Invited lecturer at the “6<sup>th</sup> European workshop on transradial approach for coronary diagnosis and intervention” (Massy, Paris, France, 22-23 June 2005), with the lecture: “Radial or femoral approach: meta-analysis”.

Invited lecturer at the “25<sup>th</sup> Congress of the Belgian Society of Cardiology” (Brussels, Belgium, 2-4 February 2006), with the lecture: “Rotational and 3-Dimensional angiography: new techniques in the invasive assessment of coronary artery disease”.

**Scientific activities** Invited lecturer at the “4<sup>th</sup> Cardiosymposium ZNA Middelheim” (Antwerp, Belgium, 25 March 2006), with the lecture: “Rotational angiography and 3-Dimensional reconstruction”.

Invited lecturer (Faculty member) at “EuroPCR 2007” (Barcelona, Spain, 22-25 May 2007) with the lecture “Discussion of case 3 - Early, late and very late complications of percutaneous interventions” in the “Controversies in interventional cardiology” session (24 May 2007).

Invited lecturer at the “10<sup>th</sup> Scientific Exchange Meeting on Interventional Cardiology” (Rapallo, Italy, 20-23 September 2007), with the lecture: “Late luminal loss: Clinical meaningful surrogate or insignificant angiographic parameter?”.

Invited lecturer at the “8<sup>th</sup> AICT - Athens Interventional Cardiovascular Therapeutics” congress (Athens, Greece, 28-29 September 2007), with the lecture: “Late luminal loss: Clinical meaningful surrogate or insignificant angiographic parameter?”

Invited lecturer (Faculty member) at “EuroPCR 2008” (Barcelona, Spain, 13-16 May 2008) with the lectures: “Case 3” in the “Coronary complication cases” session (14 May 2008), “Stent boost when and why” in the “Can additional diagnostic tools in percutaneous coronary intervention really have an added value in daily clinical practice?” session (14 May 2008) and “Expert commentary on the D-DELFT study” in the “EuroIntervention@EuroPCR” session (15 May 2008).

Invited lecturer (Faculty member) at “GISE 2008” (Bologna, Italy, 23-26 September 2008) with the lecture “Quantitative Coronary Angiography” in the “Educational fellowship in PCI for young interventionalists. (Certified training course EAPCI, SCAI, GISE)”.

Invited lecturer at the “11<sup>th</sup> Scientific Exchange Meeting on Interventional Cardiology” (Rome, Italy, 26-28 September 2008), with the lecture: “StentBoost”.

Invited lecturer at the “TransRadial Approach seminar” organized by UCL Mont-Godinne (Yvoir, Belgium, 6-7 October 2008), with the lecture: “Radial versus femoral approach for percutaneous coronary procedures: a meta-analysis”.

Invited lecturer at the “CECI 2008” meeting (Buenos Aires, Argentina, 25-26 October 2008), with the lectures: “StentBoost”, “Percutaneous treatment of saphenous vein grafts”, and “Percutaneous coronary intervention for unprotected left main disease: meta-analysis of the registries”.

Invited lecturer at the “RadiAlpes” meeting (Chamonix, France, 3-4 April 2009), with the lecture: “Radial meta-analysis”.

Invited lecturer (Faculty member) at “EuroPCR 2009” (Barcelona, Spain, 18-22 May 2009) with the lecture “Technical challenges in CTO: additional value of a repeated attempt and of contralateral injection” in the “Technical challenges in percutaneous interventions: tips and tricks to improve outcomes” session (20 May 2009).

Invited lecturer at the “XII International Symposium” (Lisbon, Portugal, 26 September 2009), with the lecture: “Late Luminal Loss: clinical meaningful surrogate or insignificant angiographic parameter?”

Invited lecturer at the “2<sup>nd</sup> Fellows’ Meeting” (Bubbio (Asti), Italy, 2-3 October 2009), with the lecture: “Take home message from TCT 2009”.

Invited lecturer (Faculty member) at “GISE 2009” (Bologna, Italy, 20-23 October 2009) with the lecture “Quantitative Coronary Angiography and IntraVascular UltraSound” in the “Educational fellowship in PCI for young interventionalists. (Certified training course EAPCI, SCAI, GISE)”.

Invited lecturer at the “7<sup>th</sup> Cardiosymposium ZNA Middelheim” (Antwerp, Belgium, 6 March 2010), with the lecture: “The “conundrum” around the treatment of stable angina and three-vessel disease. Insights from recent trials with a look into the future”.

**Scientific activities** Invited lecturer (Faculty member) at “EuroPCR 2010” (Paris, France, 25-28 May 2010) with the lectures: “Drug-eluting stent versus bare metal stent in saphenous vein graft treatment: carefully weighing the evidence” in the “Secondary coronary revascularization after coronary surgery” session (26 May 2010), and “Statistics: tips & tricks” in the “EuroIntervention@EuroPCR” session (27 May 2010).

Invited lecturer at the “4<sup>th</sup> Recontres Interventionelles Transradial Approach (RITA)” meeting (Paris, France, 24-25 June 2010), with the lecture: “Same-Wrist Intervention Through the Cubital (ulnar) artery in case of radial failure for catheterization: preliminary results of the SWITCH registry”.

Invited lecturer at the “2<sup>nd</sup> International Cardiology Update” meeting (Craigavon, Northern Ireland, 2 July 2010), with the lecture: “What is new in PCI”. Further live case performer with the performance of a left main percutaneous intervention live case.

Invited lecturer at the “X regional congress ARCA” (Colorno (Parma), Italy, 2 October 2010) with the lecture: “Rivascolarizzazione e terapia medica ottimale nell’angina cronica stabile: stato dell’arte”.

Invited lecturer at the “6<sup>th</sup> European Bifurcation Club” (Budapest, Hungary, 22-23 October 2010) with the lectures: “DEBIUT” and “3 day OCT follow-up of a STENTYS stent in a STEMI patient with a bifurcation lesion (APPOSITION)”.

Invited lecturer at the 2<sup>nd</sup> “RadiAlpes” meeting (Chamonix, France, 1-2 April 2011), with the lecture: “Radial access failure and cross over: the SWITCH study”.

Invited lecturer (Faculty member) at “EuroPCR 2011” (Paris, France, 17-20 May 2011) as panelist with the lecture: “Discussion of the CLOSE-UP trial” in the “Late Breaking Clinical trials” session (17 May 2011).

Invited lecturer (Faculty member) at “ESC 2011” congress (Paris, France, 27-31 August 2011) with the lecture: “Stent armamentarium” in the “Repeat revascularization after bypass surgery: a real challenge” session (28 August 2011).

Invited lecturer at the “5<sup>th</sup> Recontres Interventionelles Transradial Approach (RITA)” meeting (Prague, Czech Republic, 29-30 September 2011), with the lecture: “News from the literature for trans-radial approach: the best and the worst”.

Invited lecturer at the “12<sup>th</sup> Transradial Masterclass” meeting (Rookery Hall, England, 24-25 November 2011), with the lecture: “RIVAL in context”.

Invited lecturer at the “8<sup>th</sup> Update in Cardiology and Cardiovascular Surgery” congress (Antalya, Turkey, 1-4 March 2012), with the lectures: “Radial approach for interventions” and “Strategies for Treatment of Saphenous Vein Graft Lesions”. Further chairman, moderator or panelist in other sessions, in which 3 live cases, 1 SVG PCI and 2 TAVI, have been performed.

Invited lecturer (Faculty member) at “EuroPCR 2012” (Paris, France, 15-18 May 2012) with the lectures: “Discussion of the HORIZONS radial substudy” in the “EuroIntervention @ EuroPCR” session (16 May 2012), “Statistics - common pitfalls” in the “How to write a manuscript and get it published” session (16 May 2012), “Case presentation” and “How did I treat” in the “New antiplatelet and antithrombotic agents in practice” session (16 May 2012). Further chairman of the “Results of PCI for the treatment of saphenous vein graft lesions” abstract session (17 May 2012), and panelist in the “Complication Forum – Part II” session (18 May 2012).

Invited lecturer at the “6<sup>th</sup> Recontres Interventionelles Transradial Approach (RITA)” meeting (Paris, France, 18-19 June 2012), with the lecture: “How to reduce bleeding risk?”

Invited lecturer at the “Topzorg anno 2012: opening nieuwe HCK en 60 jaar cardiologie” congress (Utrecht, Netherlands, 28 September 2012), with the lecture: “Bifurcatie dotters: final kissing of niet?”

**Scientific activities** Invited lecturer at the “9<sup>th</sup> Update in Cardiology and Cardiovascular Surgery” congress (Antalya, Turkey, 21-24 March 2013), with the lectures: “Practical issues: tips and pearls for balloon-expandable and self-expanding TAVR”, “Drug-eluting balloons: a new tool for old problems”, “Retrograde techniques in CTO”.

Live cases performer during 2 live case sessions (1 PCI of unprotected LM, 1 transfemoral TAVI) during the “9<sup>th</sup> Update in Cardiology and Cardiovascular Surgery” congress (Antalya, Turkey, 21-24 March 2013).

Invited lecturer at the “Imaging in Cardiovascular Interventions (ICI)” congress (Frankfurt, Germany, 26 June 2013), with the lecture: “Intracardiac Echo in TAVI”.

Invited lecturer (Faculty member) at “TCT 2013” (San Francisco, USA, 27 October-1 November 2013) with the lecture: “Drug-Coated Balloon Mechanisms of Action: Insights From Angiography, FFR and OCT” in the “Drug-Coated Balloons I. Preclinical Science and Coronary Applications” session (31 October 2013). Further discussant of the oral abstract session “TAVR imaging” (29 October 2013).

Live cases performer during 2 live case sessions (1 coronary sinus REDUCER implantation, 1 Mitraclip) during the “10<sup>th</sup> Update in Cardiology and Cardiovascular Surgery” congress (Antalya, Turkey, 13-16 March 2014).

Invited lecturer at the “Heart & Soul” Colloquium in occasion of the retirement of Dr. Frank Van den Branden (Antwerp, Belgium, 28 March 2014), with the lecture: “Cardiologie: een blik op de toekomst”.

Invited lecturer at the 48<sup>th</sup> Annual Scientific Meeting of the “European Society of Clinical Investigation” (Utrecht, The Netherlands, 3 May 2014), with the lecture: “Intravascular Ultrasonography, Palpography & Virtual Histology”.

Invited lecturer at the regional Refereeravond Cardiologie Utrecht: Minimaal invasieve ingrepen en nieuwe ontwikkelingen (Utrecht, The Netherlands, 14 May 2014), with the lecture: “Mitraclip en nieuwe ontwikkelingen”.

Invited lecturer (Faculty member) at “EuroPCR 2014” (Paris, France, 20-23 May 2014) with the lecture: “Embolic protection devices: panacea, niche intervention or unnecessary?” in the “TAVI and stroke: still a concern?” session (20 May 2014). Further facilitator of a “Interactive Case Corner” session (20 May 2014).

Invited lecturer at the “First International Live Course on Drug-Coated Balloon Angioplasty” (Milan, Italy, 30-31 May 2014), with the lecture: “Update on DCB data for the treatment of BMS restenosis”.

Faculty member at “TCT 2014” (Washington DC, USA, 13-17 September 2014) as panelist during 2 live cases in the Main Arena (15 September 2014) and discussant of the abstract session: “Didactic symposia: radial access & intervention” (16 September 2014).

Invited lecturer at the “Nederlands Cathlab Symposium” (Utrecht, The Netherlands, 27 September 2014), with the lecture: “Progress in aortic and mitral valve treatment”.

Invited lecturer at the “5<sup>th</sup> International Therapy and Technology Exchange Conference” (Rome, Italy, 25-27 February 2015), with the lecture: “Drug-eluting balloon in chronic total occlusion and in-sent restenosis”.

Invited lecturer at the “11<sup>th</sup> Update in Cardiology and Cardiovascular Surgery” congress (Istanbul, Turkey, 25-29 March 2015), with the lectures: “Chronic total occlusions: current techniques and outcomes”, “Tips and tricks in bifurcation interventions”, and “Who should not have TAVI in 2015?: Towards low and intermediate risk patients”.

Invited lecturer (Faculty member) at “ESC 2015” congress (London, England, 29 August – 2 September 2015) with the lectures: “The hybrid approach for chronic total occlusions: indications, techniques and outcomes” in the “Issues and practical solutions for chronic total occlusion” session and “A case of coronary artery disease - PCI or CABG” in “The Heart Team live on stage” session (both 1 September 2015).

**Scientific activities** Invited lecturer (Faculty member) at “GISE 2015” (Genova, Italy, 27-30 October 2015) with the lecture “Sinus coronary system for the treatment of refractory angina” in the “Start up, innovation and evolution session III: coronary”.

Invited lecturer at “Meril-Live 3” (Vapi, India, 29-30 April 2016) with the lecture “My experience with Biomime Morph stent in long diffuse chronic total occlusions”.

Live cases performer (Coronary sinus Reducer implantation) during the “DRES” congress (Nijkerk, Netherlands, 2-3 June 2016).

Operator and invited lecturer during the workshop “Masterclass in complex PCI”: 3 PCI and lecture “Biomime DES, Biomime Morph tapered DES, Mes100 scaffold” (Almaty, Kazakhstan, 28-28 September 2016).

Operator and invited lecturer during the “9<sup>th</sup> CBS Left main and coronary bifurcation summit”: 1 CTO PCI (non-live case) and lecture “Chronic total occlusions in bifurcations: how to deal with them. A case example” (Nanjing, China, 1-4 December 2016).

Operator and invited lecturer during the “Cardiology Seminar”: 2 PCI in long lesions and lecture “Biomime DES, Biomime Morph tapered DES, Mes100 scaffold” (Minsk, Belarus, 6 February 2017).

CTO proctor in Johannes Paulus II hospital in Grodzisk Mazowiecki, Poland: 5 CTO proctored (Grodzisk Mazowiecki, Poland, 7-8 February 2017).

Invited lecturer at the “7<sup>th</sup> DRES” meeting (Nijkerk, Netherlands, 1-2 June 2017) with the lecture “Wrap-up last year – Samenvatting van de live-cases van 2016 met follow-up”.

Invited lecturer (Faculty member) at “ESC 2017” congress (Barcelona, Spain, 26-30 August 2017) with the lecture: “Treatment of angina: safety and efficacy of devices to narrow the coronary sinus” in the “Treatment of refractory angina pectoris: advice for the clinician” session (27 August 2017).

CTO proctor in Yantai, Jinan and Nanjing (China): 7 CTO and 5 complex PCI proctored (26-30 December 2017).

Reducer proctor in Central hospital in Kristianstad, Sweden: 3 Reducer cases proctored (Kristianstaad, Sweden, 6-7 February 2018).

CTO proctor in Johannes Paulus II hospital in Grodzisk Mazowiecki, Poland: 6 CTO proctored (Grodzisk Mazowiecki, Poland, 26-27 February 2018).

CTO live case operator during the “Nationale Fellowcursus Interventiecardiologie 2017 – 2018”, Module 3: Fundamentals of CTO PCI (Catharina Ziekenhuis, Eindhoven, Netherlands, 21 June 2018): CTO RCA PCI done.

Invited lecturer at the “New Frontiers in Cardiology: Focus on CTO” course (Lisbon, Portugal, 10-11 January 2019) with the lectures “The post-CABG patient” and “Can we switch to radial access in most CTO cases?”. Also CTO live case operator during the meeting.

Faculty member at the “CTO Summit” (Turin, Italy, 11-12 April 2019) as commentator during live cases and discussant of the technical session.

CTO proctor in “Hospital number 2” in Nur-sultan (Astana), Kazakhstan: 3 CTO proctored (Nur-sultan -Astana-, Kazakhstan, 15-16 April 2019).

CTO proctor in UZ Brussel in Brussel, Belgium: several CTO proctored (Brussel, Belgium, 2019-2021).

Reducer proctor in UMCG in Groningen, the Netherlands: 4 Reducer cases proctored (Groningen, the Netherlands, 4 June 2019).

**Scientific activities** Invited lecturer at the 4<sup>th</sup> “Multi Level CTO course” (Nice, France, 26-29 June 2019) with the lecture “My personal approach” during the “Fellow Program” held on 26 June 2019.

Invited lecturer at the “BWGCTO Course” (Charleroi, Belgium, 19-20 September 2019) with the lecture “Minimalistic Hybrid Approach”.

Invited lecturer at the “Nationale Fellowcursus Interventiecardiologie III 2019-2020” (Utrecht, The Netherlands, 1 November 2019) with the lecture “Radial versus femoral”.

Reducer proctor in King Saud Medical City (KSMC) in Riyadh, Saudi Arabia: Reducer cases proctored (Riyadh, Saudi Arabia, November 2019 and January 2020).

Live case operator and invited lecturer during the “11<sup>th</sup> CBS Left main and coronary bifurcation summit” (Nanjing, China, 28 November-1 December 2019): LAD-D bifurcation PCI live case and lecture “Minimalistic Hybrid Approach for CTO treatment”.

CTO proctor in OLV Aalst in Aalst, Belgium: several CTO proctored (Aalst, Belgium, January-July 2020).

Live case operator during the 2<sup>nd</sup> BENELUX “Complex COmplete REvascularization” (CORE) Course (Eindhoven, The Netherlands, 3-4 March 2020): CX CTO PCI live case.

Speaker in the webinar: “Care in the time of Corona: applying contemporary clinical trials in daily practice” (26 May 2020) with the lecture: “How do recent cornerstone trials influence on revascularization strategy? ...and beyond”. Available at: <https://www.incathlab.com/en/lives/1-coronary/51-others/2542-care-in-the-time-of-corona-applying-contemporary-clinical-trials-in-daily-practice>

Speaker in the webinar: “Web Meeting “Nuove Opzioni Terapeutiche per L'Angina Refrattaria: Il Reducer Per il Seno Coronarico” (25 June 2020) with the lecture: “Meet the expert: l'esperienza ‘real life’ di un centro di riferimento europeo”.

Commentator in the web event: “CTO LIVE AID: world tour against COVID19” (9 July 2020) during Slot 5 (LIVE 9 - RCA CTO recanalization, operator: Mohaned Egred from - United Kingdom; LIVE 10 - POST-CABG RCA CTO Retry, operators: Gabriele L. Gasparini & Jacopo A. Oreglia from Italy). Available at: <https://www.incathlab.com/en/videos/1-coronary/68-cto/2581-live-9-from-united-kingdom-rca-cto-recanalization?autoplay=1> and <https://www.incathlab.com/en/videos/1-coronary/68-cto/2582-live-10-from-italy-post-cabg-rca-cto-retry?autoplay=1>

Invited lecturer at the “Master II livello: trattamento percutaneo della malattia coronarica: 2nd edition”, session on Chronic total occlusions, with the lectures: “ADR con guide coronariche e devices dedicati” and “La scelta degli accessi vascolari nelle CTO: goldies e new entry” (Pisa, Italy, web-based meeting, 29 September 2020).

Invited lecturer at the “CTO Virtual Summit Brazil”, with the lecture: “Minimalistic hybrid approach: for whom?” (Brazil, web-based meeting, 2 October 2020). Available at: <http://www.sbhctosummitbrazil.org.br/live-en.html>

Moderator in the “Euro-Hong Kong CTO Smackdown” case-sharing web based meeting (20 October 2020). Available at: [https://www.youtube.com/watch?v=fxF8nC4L\\_gw](https://www.youtube.com/watch?v=fxF8nC4L_gw)

Live case operator and discussant during TOBI (Total Occlusion and Bifurcation Interventions) Friends – Hybrid edition (Milan, Italy, 5-6 November 2020): RCA CTO PCI performed. Available at: <https://www.stream-italia.com/tobi.html>

Invited lecturer at “CBS 2020 On-Air” (Nanjing, China, web-based meeting), with the lectures: “A Redefined Version of the Minimalistic Hybrid Approach for CTO PCI: Focus on Wrist Access and Sheath Downsizing” in the “Advance in CTO Revascularization” session (13 November 2020) and “Double DK-crush for complex left main - LAD - diagonal PCI” in the “Challenging Cases from Masters – II” session (20 November 2020). Available at: <http://www.cbssmd.cn/CBS2020/>



**Scientific activities** Invited lecturer at “SIMI 2020”, with the lecture: “Chronic Total Occlusions: Novel Minimalistic Hybrid Approach” (Buenos Aires, Argentina, web-based meeting, 5 December 2020). Available at: <http://www.simi.com.ar/en/index.php>

Reducer proctor in Henry Dunant hospital in Athens, Greece: 1 Reducer case proctored (Athens, Greece, 7 December 2020).

Invited lecturer at “MonteHeart Cath Conference”, with the lecture: “Chronic Total Occlusions: Novel Minimalistic Hybrid Approach” (New York, USA, web-based meeting, 9 February 2021). Available at: <https://www.youtube.com/watch?v=zb7Y4F-N5bE>

Live case operator during “TOBI Iran” (Total Occlusion and Bifurcation Interventions Iran, Milan, Italy, 12 March 2021): RCA CTO PCI performed.

Reducer proctor in Al Qassimi hospital in Sharjah, UAE: 1 Reducer case proctored (Sharjah, UAE, 22 August 2021).

Invited lecturer at the 2nd “Swiss CTO Summit”, with the lecture: “Minimalistic Approach for CTO PCI: a new standard in 2021?” (St. Gallen, Switzerland, 24 September 2021). Available at: <https://player.vimeo.com/video/625215081?autoplay=1>

Invited lecturer at the “TOBI Egypt” (Total Occlusion and Bifurcation Interventions Egypt) congress, with the lecture: “Radial approach in CTO PCI” (Milan, Italy, 30 September – 1 October 2021).

Invited lecturer at the “CHIP Congress”, with the lecture: “CTO with minimalistic approach” (Milan, Italy, 15-16 October 2021).

Live case operator during “TOBI (Total Occlusion and Bifurcation Interventions) main congress – hybrid edition” (Milan, Italy, 18-19 November 2021): RCA CTO PCI performed from ZNA Middelheim. Available at: <https://www.tobicongress.com>

Organizator, lecturer (lecture: “Algorithmic approach to the management of complications”) and live case operator (RCA CTO PCI performed) during the 3rd module of the “Dutch fellows course interventional cardiology”, focused on CTO and CHIP interventions (Antwerp, Belgium, 25-26 November 2021): 4 live cases transmitted from ZNA Middelheim.

Invited lecturer at the “82nd national congress of the Italian Society of Cardiology (SIC)”, with the lecture: “Tecniche di accesso anterogrado e retrogrado nel trattamento delle CTO” inside the “Fellows course: scenari angiografici complessi: trattamento delle CTO e biforcazioni” (Rome, Italy, 11 December 2021).

Speaker at the “Impella Case Club: The Role of Mechanical Circulatory Support in High-Risk PCI”, with the lecture “Impella-assisted PCI, case illustration” (Online webinar, 25 January 2022, available at: <https://www.incathlab.com/en/lives/19-cardiology/104-coronary/2827-the-role-of-mechanical-circulatory-support-in-high-risk-pci>)

Live case operator for “TEN-TruEducationNetwork” (Online event, 16 March 2022): LAD CTO PCI performed from ZNA Middelheim. Available at: <https://ten.trueventi.com/live-cases/>

Live case operator for “Swiss CTO Connect 2022” (Online congress, 25 March 2022): CX CTO PCI performed from ZNA Middelheim. Available at: <https://www.swisscto-connect.com/>